

AIRDEC-GA

AIRDEC-GA is a lightweight integrally colored glass fiber reinforced decorative laminate, which is dimensionally stable and extremely durable, and is available in a continuous roll format for economy of use. AIRDEC-GA fulfills the most stringent requirements of heat release, smoke emission and toxicity for aircraft interiors.

WEIGHT	AIRDEC-GA is the lowest weight of this type of laminate, it is very resistant to impact, scrape, and abrasion, and performs well in areas of extreme abuse.									
COLOR	AIRDEC-GA is available in solid colored or printed sheets, and solid colored continuous material. Custom colors and patterns are available upon request. AIRDEC-GA is also integrally colored to match the surface for superior damage hiding character.									
TEXTURE	AIRDEC-GA is available in a number of standard sheet textures, continuous Mesa-O and Mesa-C textures (see the Skyline Products texture chart), and custom textures may be available upon request.									
GLOSS	AIRDEC-GA is available in both high and medium gloss variations.									
CLEANING	Because of its ¹ Tedlar [®] surface, AIRDEC-GA possesses exceptional resistance to staining, solvents, chemicals, and abrasion, and is very easy to clean with common cleaners.									
QUALITY	Founded on years of experience, high quality materials, and a very controlled process, the color, texture, and integrity of this product is guaranteed.									
ADHESIVES	AIRDEC-GA is available bare without adhesive and with strippable pressure sensitive adhesive. Recommendations for customer applied adhesives are available upon request.									
PROPERTIES	AIRDEC-GA is dimensionally stable yet flexible, and can be applied by hand or with vacuum to flat and two-dimensionally contoured parts.									
TYPICAL APPLICATIONS	<table> <tr> <td>Bulkheads</td> <td>Dado Panels</td> <td>Oven Doors</td> </tr> <tr> <td>Closets</td> <td>Galley Walls</td> <td>Partitions</td> </tr> <tr> <td>Crew Rests</td> <td>Lavatory Walls</td> <td>Flat Ceilings</td> </tr> </table>	Bulkheads	Dado Panels	Oven Doors	Closets	Galley Walls	Partitions	Crew Rests	Lavatory Walls	Flat Ceilings
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FORMAT	AIRDEC-GA is available in sheets nominally 48, 54, and 60 inches (1219, 1372, and 1524 mm) wide, by 96 inches (2438 mm) long, and continuous rolls 50 yards (45 meters) in length, and 54 and 60 inches (1372 and 1524 mm) in width. Other sizes available upon request.									

¹Tedlar[®] is a registered trademark of DuPont
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CHARACTERISTIC	TEST METHOD	UNIT	TEST VALUE
THICKNESS bare with standard PSA	Micrometer after texturing	inch / mm	0.015±0.0015 / 0.38±0.038 0.018±0.0018 / 0.46±0.046
WEIGHT bare with standard PSA	ASTM D 461 (11)	oz/yd ² / g/m ²	14.5±1.5 / 490±49 17.3±1.7 / 585±59
ADHESION OF LAYERS	DMS 2290 4.5.4 and 3.4.4	pass / fail	pass
ABRASION RESISTANCE	DMS 2290 4.5.5 FTMS No. 191 Method 5306	weight lost (milligrams)	< 20
SCRAPE RESISTANCE	Hoffman Stylus Needle Stylus Loop Stylus	Kilograms Kilograms Kilograms	< 4 ¹ < 3 ¹ < 6 ¹
IMPACT RESISTANCE	ASTM D 2794	Inch-Pounds	> 320 ²
DIMENSIONAL STABILITY	ASTM D 1204 60 min / 203°F	%	0 (no change)
COLORFASTNESS TO LIGHT	DMS 2292 4.5.2 and 3.4.2 FTMS No. 191 Method 5660	pass / fail	pass (no change after 50 hours)
HEAT RELEASE	FAR 25.853 (d) FAR 25 App. F Pt. IV	pass / fail	pass ³
SMOKE DENSITY	FAR 25.853 (d) FAR 25 App. F Pt. V ASTM E-662	pass / fail	pass ³
TOXICITY	ATS 1000.001 ISSUE 5 / ABD 0031 HF, HCl, HCN, SO ₂ / H ₂ S, NO / NO ₂ , CO Boeing D6-51377 Section 4.1.1 b. (1) CO, HCN, HF, HCl, SO ₂ , NOx	pass / fail pass / fail	pass ³ pass ³
FLAMMABILITY (60 sec)	FAR 25.853 (d) FAR 25 App. F Pt. I	pass / fail	pass ³

¹ Mounted to a 0.052" thick aluminum plate with standard PSA, and tested using a Paul N Gardner Company, Inc. model PA-2197A Balanced Beam Scrape Adhesion Tester with the stylus indicated. Failure was considered complete scrape through to the aluminum plate.

² Mounted to a 0.052" thick aluminum plate with standard PSA, and tested using a Paul N Gardner Company, Inc. SPI Modified Impact Tester with a standard 0.5 inch punch. Failure was considered to be cracking of the AIRDEC-GA material.

³ Tested on a 0.125" thick phenolic sandwich panel with standard PSA.